

ABSTRACT

It is an object of the present invention to provide a novel photo-curing composition which can be cured by light of a wide wavelength region including ultraviolet 5 light or visible light, has such high sensitivity that it can be sufficiently cured by exposure to a small amount of light, can favorably form a fine pattern when used as a resist and provides a cured product having excellent heat resistance and insulating properties, and a negative 10 photoresist composition using the photo-curing composition. It is another object of the present invention to provide a process for highly accurately and easily producing a polyimide thin film used for a medical instrument, and a medical instrument having the polyimide 15 thin film. The photo-curing composition of the present invention comprises (A) a carbon cluster and/or its derivative, having a photosensitizing function, (B) a compound having plural heterocyclic rings in a molecule, and if necessary, (C) a photo-insensitive resin.